

TECH JAN 09 2002 JUN 2000

Based on Form PTO-1449 (3/90)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	674538-2001	09/732,348
	APPLICANT	
	Choo et al	
FILING DATE	GROUP	
12/07/00	1638 1644	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CC	4,873,191	10/10/89	Wagner et al.			
	5,175,384	12/29/92	Krimpenfort , et al.			
	5,175,385	12/29/92	Wagner et al			
	5,223,409	06/29/93	Ladner et al			
	5,260,203	11/09/93	Ladner et al			
	5,322,938	06/21/94	MacPherson et al			
	5,352,605	10/04/94	Fraley et al			
	5,556,752	09/17/96	Lockhart et al			
	5,837,832	11/17/98	Chee et al			
	5,489,520	02/06/96	Adams et al			
	5,550,318	08/27/96	Adams et al			
✓	5,874,265	02/23/99	.Adams et al			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
CC	WO 87/07299	12/03/87	WIPO			
	EP 0 249 432	02/07/90	European Patent			
	EP 0 317 511	10/16/91	European Patent			
	EP 0 359 472	12/17/95	European Patent			
	EP 0 385 962	07/18/01	European Patent			
	EP-A-344,029	01/29/97	European Patent			
	EP--412,911B1	07/18/01	European Patent			
	WO 89/10396	11/02/89	WIPO			
	WO 91/10741	07/25/91	WIPO			
✓	WO 92/04454	03/19/92	WIPO			
✓	WO 93/07278	04/15/93	WIPO			

EXAMINER	DATE CONSIDERED
<i>Cynthia Bellino</i>	10/15/02

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>C</i>		Dudavera et al., (1996) Plant Cell 8: 1137-1148
		Bass et al., (1990) Proteins, 8:309-314
		Bevan et al., (1989) Embo J. 8: 1899-1906
		Beerli et al., (1998) Proc. Natl. Acad. Sci. USA 95:14628-14633
		Bent et al. (1994) Science 265: 1856-1860 )
		Berg, (1998) PNAS (USA) 85:99-102
		Bevan et al. (1983) Nature 304: 184-187
		McElroy et al., (1991) Mol. Gen. Genet. 231: 150-160
		Edwards and Coruzzi, (1989) Plant Cell 1: 241-248
		Elirod-Erickson et al., (1996) Structure 4: 1171-1180
		Wu et al. (1995) PNAS USA 92:344-348
<i>V</i>		Van der Krol et al. (1991) Plant Cell 3: 667-675

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Choo et al	
		FILING DATE 12/07/00	GROUP 1638 1614

PC		Bevan. (1984) Nucl. Acids Res. 12: 8711-8721
		Fairall et al., (1993) Nature 366: 483-487
		Fiehn et al. (2000) Nature Biotechnol. 18:1157-1161
		MacMillin et al., (1997) Plant Physiol 113: 1369-1377
		Elrod-Erickson et al (1988) Structure 6: 451-464
		Datta et al, (1990) Biotechnology 8: 736-740
		Devereux et al, ( 1984) Nucleic Acids Research 12:387
		Callis et al. (1987) Genes Develop. 1: 1183-1200
		Choo and Klug, (1994) PNAS (USA) 91: 11163-67,
		Choo et al., (1994) Nature 372:642-645
		Choo, Y., et al., (1997) J. Mol.Biol 273: 525-532
		Potrykus (1991) Annu rev. Plant Physiol Plant Mol Biol, 42: 205-225
		Christou et al. (1991) Biotechnology 9: 957-962
		Phillips et al, (1995) Plant Physiol 108: 1049-1057
		Estruch et al., (1994) Nucleic Acids Res. 22: 3983-89
		Hofgen & Willmitzer, (1988) Nucl. Acids Res. 16: 9877
		Williams et al., (1998) Plant Physiol 117: 559-563
		Logemann et al. (1989) Plant Cell 1: 151-158
		Han et al. (1993) EMBO J. 12: 2723-2733
		Afshar et al, (1999): Curr. Op. Biotech. Vol 10, 59-63
		Goff et al., (1991) Genes Dev. 5: 298-309
		Goodrich et al., (1996), Cell 84:825-830
		Gouldson, P.R. et al., (2000) Neuropsychopharmacology 23: S60-S77
		Jamieson et al. (1994) Biochem. 33: 5689-5695
		Grimes et al., (1996) Mol Cell. Biol. 16: 6263-6272
		Ho, et al., Nature (1996) 382:822-826
		Suzuki et al., (1994) NAR 22:3397-3405
		Tao, H. & Umek, R.M. (1999) DNA Cell Biol 18: 75-84

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*Cynthia Hollings*

DATE CONSIDERED

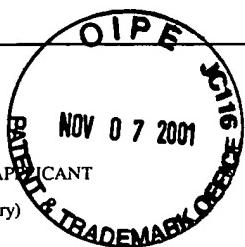
*10/15/02*

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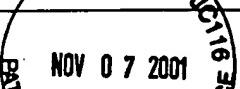


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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Choo et al	
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CC		Fromm et al (1990) Biotechnology 8: 833-839
		Jefferson et al., (1987) Embo J. 6: 3901-3907
		Koziel et al. (1993) Biotechnology 11: 194-200
		Genbank Accession No. X07937.1
		Goff et al., (1992) Genes Dev. 6: 864-75
		Lee et al, Science (1989) 245:635-637
		Krizek et al., (1991) J. Am. Chem. Soc. 113: 4518-4523
		Fairall et al., (1993) Nature (London) 366, 483-487
		Kim et al., (1996) Proc. Natl. Acad. Sci. USA 93:1156-1160
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		Mariani et al. (1990) Nature 347: 737-741
		Mariani et al. (1992) Nature 357: 384-387
		Markland et al. (1987) Mol. Cell Biol. 7: 4255-4265
		Pavletich & Pabo (1991) Science 252, 809-817
		Liu et al., (1997) Proc. Natl. Acad. Sci. USA 94:5525-5530
		Pomerantz et al., (1998) Science 267:93-96 )
		Pavletich and Pabo, (1993) Science 261:1701-1707
		Prasher et al. (1992) Gene 111: 229-233
		Suzuki et al., (1994):PNAS, vol 91 pages 12357-61
		Ross et al., (1999) Arch. Biochem. Biophys. 367: 9-16
		Ralston et al, (1988) Genetics 119: 185-197 )
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		Sadowski, (1993), FASEB J. 7:760-767
		Turpen et al., (1993) J. Virol. Methods, 42: 227-239
		White et al. (1990) Nucl. Acids Res. 18: 1062
		Vasil et al. (1992) Biotechnology 10: 667-674
↓		Thomas et al., (1999) PNAS 96: 4698-4703

EXAMINER <i>Cynthia Collins</i>	DATE CONSIDERED 10/15/02
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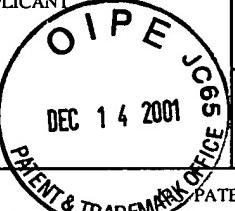
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<p>Based on Form PTO-1449 (3/90)</p> <p>LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)</p>	 <p>NOV 07 2001</p> <p>PATENT &amp; TRADEMARK OFFICE 9112</p>	<p>ATTY. DOCKET NO.</p> <p><b>674538-2001</b></p>	<p>SERIAL NO.</p> <p><b>09/732,348</b></p>
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		<p>FILING DATE</p> <p><b>12/07/00</b></p>	<p>GROUP</p> <p><b>11038 1614</b></p>

<i>cc</i>		Sainz et al., (1997) Mol. Cell. Biol. 17: 115-22
		Mattheakis et al., (1994) Proc Natl Acad Sci U.S.A., 91: 9022-6
		Mc Elroy et al. (1991) Mol. Genet. 231: 150-160)
		Pomeranz, et al., (1982) Biochem. 37:965
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		Schmitz, M. et al. (1995) J. Biol. Chem. 270: 15576-15584
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		Nagaoka, M., et al., (1994) J. Am. Chem.Soc. 116:4085-4086
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		Nolte, R.T. et al., (1998), Proc. Natl. Acad. Sci. USA 95:2938-2943
		O'Shea, Science (1991), 254:539-544
		Guyer et al. (1998) Genetics 149: 633-639
		Rebar & Pabo (1994) Science 263:671-673
		Reich et al. (1986) Biotechnology 4: 1001-1004
		Schwechheimer et al (1998) 36(2): 195-204
		Tok and Rando (1998): J. Am. Soc. Chem. Vol. 120 8279-8280
		Tsai and Coruzzi, (1990) EMBO J 9: 323-332
EXAMINER	<i>L. Smith</i>	DATE CONSIDERED
	<i>Patricia</i>	<i>10/15/02</i>

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Based on Form PTO-1449 (3/90)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO.	SERIAL NO.		
				674538-2001	00732,348		
				APPLICANT	Chen et al		
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PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CC	AA	5,830,721	11/3/98	Stemmer et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
CC	AB	WO 00 42219 A	01/06/00	WIPO			
	AC	WO 00 41566 A	01/06/00	WIPO			
	AD	WO 95 19431	09/28/94	WIPO			
	AE	WO 98 54311	05/27/98	WIPO			
	AF	WO 95 11922	10/25/94	WIPO			
	AG	WO 99 47656	03/17/99	WIPO			
↓	AH	WO92/02536A1	08/01/91	WIPO			
	AI						
	AJ						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CC	AK	Takatsuji H. et al: "Zinc-finger transcription factors in plants" Cell. Mol. Life Sci., vol. 54, pgs 582-596, 1998					
	AL	Klug, Aaron: "Zinc Finger peptides for the regulation of gene expression" J. Mol. Biol., vol. 293, pgs 215-218, 1999					
	AM	Dickinson, Liliane A. et al: "Inhibition of Ets-1 DNA binding and ternary complex formation between Ets-1, NF-kappaB, and DNA by a designed DNA-binding ligand" Journal of Biochemistry, vol. 274, no 18, pgs 12765-12773, 1999					
	AN	Dickinson, Liliane A. et al: "Inhibition of RNA polymerase II transcription in human cells by synthetic DNA-binding ligands." Proceedings of the National Academy of Sciences of the United States, vol. 95, no. 22 pgs 12890-12895, 1998					
	AO	Nardelli, J. et al: "Zinc finger-DNA recognition: analysis of base specificity by site-directed mutagenesis", Nucleic Acids Research, vol. 20, no. 16, (IRL Press Ltd., Oxford, England), pgs 4137-4144, 1992					
	AP	Desjarlais, J.R. and Berg, J.M.: "Toward rules relating zinc finger protein sequences and DNA binding site preference", Proc. Natl. Acad. Sci., vol. 89, no. 16, Natl. Acad. Sci., Washington, D.C., pgs. 7345-7349, 1992					
	AQ	Gottesfeld et al: "Regulation of Gene Expression by Small Molecules" Nature, vol. 387, no 6629 pgs 202-205, 1997					
	AR	Gatz et al: "Stringent repression and homogenous de-repression by tetracycline of a modified CaMV 35S promoter in intact transgenic tobacco plants" Plant Journal, GB, Blackwell Scientific Publications, vol. 3, no 2, pgs 397-404, 1992					
↓	AS	Weinmann et al: "A Chimeric Transactivator allows Tetracycline-responsive gene expression in whole plants" Plant Journal, GB, Blackwell Scientific Publications, vol. 5, no 4, pgs 559-569, 1994					
EXAMINER <i>Connie Collins</i>				DATE CONSIDERED <i>11/23/02</i>			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Based on Form PTO-1449 (3/90)		ATTY. DOCKET NO. 674538-2001	SERIAL NO. 69/223,348				
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Choo et al.	DEC 19 2001 1614 TECH CENTER 1600/2900 RECEIVED O I P E JCS DEC 14 2001 PATENT & TRADEMARK OFFICE 59				
		FILING DATE 12/07/00	GROUP 1638				
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AT	Schwechheimer C, Smith C, Bevan MW, "The activities of acidic and glutamine-rich transcriptional activation domains in plant cells: design of modular transcription factors for high-level expression." Plant Mol Biol, vol. 36(2):195-204, 1998					
	AU	Aoyama T, Chua NH. "A glucocorticoid-mediated transcriptional induction system in transgenic plants." Plant J MAR; vol. 11(3):605-612, 1997					
	AV	J. Zuo, Q.-W. Niu and N.-H. Chua "An estrogen receptor-based transactivator XVE mediates highly inducible gene expression in transgenic plants" Plant J. vol. 24, Issue 2, October 2000					
	AW	N. Dudareva, J.C. D'Auria, K.H. Nam, R.A. Raguso and E. Pichersky "Acetyl-CoA:benzylalcohol acetyltransferase - an enzyme involved in floral scent production in Clarkia breweri" Plant J. Vol. 14, Issue 3, 297-304, May 1998					
	AX	Liz J. Richter, Yasmin Thanavala, Charles J. Arntzen, Hugh S. Mason, "Production of hepatitis B surface antigen in transgenic plants for oral immunization", Nature Biotechnology vol. 18, 1167 - 1171 (01 Nov 2000)					
	AY	Tim Kunkel, Qi-Wen Niu, Yang-Sun Chan, Nam-Hai Chua, " Inducible isopenenyl transferase as a high-efficiency marker for plant transformation", Nature Biotechnology vol. 17, 916 - 919 (01 Sep 1999)					
	AZ	Martha L. Bulyk, Erik Gentalen, David J. Lockhart, George M. Church, "Quantifying DNA-protein interactions by double stranded DNA arrays", Nature Biotechnology vol. 17, 573 - 577 (01 Jun 1999)					
EXAMINER <i>Cynthia Collins</i>				DATE CONSIDERED 4/23/02			
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		5,322,938	06/21/94	MacPherson et al			
		5,352,605	10/04/94	Fraley et al			
		5,556,752	09/17/96	Lockhart et al			
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		EP 0 317 511	10/16/91	European Patent			
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		EP 0 385 962	07/18/01	European Patent			
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		Bevan et al, (1989) Embó J. 8: 1899-1906
		Beerli et al, (1998) Proc. Natl. Acad. Sci. USA 95:14628-14633
		Bent et al (1994) Science 265: 1856-1860
		Berg, (1998) PNAS (USA) 85: 99-102
		Bevan et al (1983) Nature 304: 184-187
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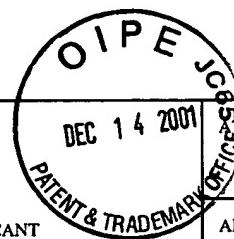
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		Fairall et al, (1993) Nature 366: 483-487
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		Elrod-Erickson et al (1988) Structure 6: 451-464
		Datta et al, (1990) Biotechnology 8: 736-740
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		Williams et al, (1998) Plant Physiol 117: 559-563
		Logemann et al (1989) Plant Cell 1: 151-158
		Han et al (1993) EMBO J. 12: 2723-2733
		Afshar et al, (1999): Curr. Op. Biotech. Vol 10, 59-63
		Goff et al, (1991) Genes Dev. 5: 298-309
		Goodrich et al. (1996), Cell 84:825-830
		Gouldson, P.R. et al, (2000) Neuropsychopharmacology 23: S60-S77
		Jamieson et al (1994) Biochem. 33: 5689-5695
		Grimes et al, (1996) Mol Cell. Biol. 16: 6263-6272
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<i>CC</i>		Fromm et al (1990) Biotechnology 8: 833-839
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		Koziel et al (1993) Biotechnology 11: 194-200
		Genbank Accession No. X07937.1
		Goff et al, (1992) Genes Dev. 6: 864-75
		Lee et al, Science (1989) 245:635-637
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		Fairall et al, (1993) Nature (London) 366, 483-487
		Kim et al, (1996) Proc. Natl. Acad. Sci. USA 93:1156-1160
		Klein et al (1987) Nature 327: 70-73
		Mariani et al (1990) Nature 347: 737-741
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		Pavletich and Pabo, (1993) Science 261: 1701-1707
		Prasher et al (1992) Gene 111: 229-233
		Suzuki et al, (1994) PNAS, 91: 12357-61
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	APPLICANT	DEC 14 2001 RECEIVED PATENT & TRADEMARK OFFICE U.S. DEPT. OF COMMERCE 1600 PENNSYLVANIA AVENUE, N.W. WASH., D.C. 20590-0000
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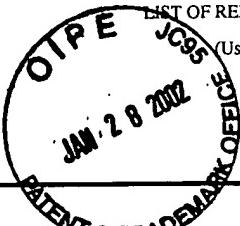
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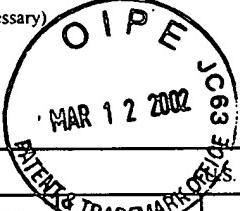
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<i>Cc</i>	AQ		Bibkova, M. et al. "Stimulation of Homologous Recombination through Targeted Cleavage by Chimeric Nucleases" Molecular and Cellular Biology, 2001 21(1):289-297.					
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